

Title (en)

Clothes treating apparatus with hot air supply device and an operating method thereof

Title (de)

Kleiderbehandlungsvorrichtung mit Warmluftzufuhrvorrichtung und Betriebsverfahren dafür

Title (fr)

Appareil de traitement pour vêtements avec dispositif d'alimentation en air chaud et procédé d'exploitation de celui-ci

Publication

**EP 2735640 A2 20140528 (EN)**

Application

**EP 13193696 A 20131120**

Priority

KR 20120132564 A 20121121

Abstract (en)

The present disclosure relates to a clothes treating apparatus having a hot air supply device and an operating method thereof, and according to an aspect of the present disclosure, a clothes treating apparatus may include a drum (2) configured to accommodate an object to be dried; a linear valve (12) configured to linearly adjust the amount of supplied gas; a burner (10) configured to burn gas supplied by the linear valve (12); a hot air supply device (8) configured to supply hot air heated by the burner (10) into the drum (2); a temperature sensor configured to measure the temperature of air exhausted from the drum (2); and a control means configured to adjust the amount of gas supplied to the burner (10) based on a temperature measured by the temperature sensor, wherein the control means partitions a drying process into a plurality of sections based on a temperature change of the exhaust air, and varies a gas supply amount for each section.

IPC 8 full level

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CPC (source: CN EP KR US)

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**D06F 2105/28** (2020.02 - CN EP KR US); **D06F 2105/52** (2020.02 - CN EP KR US); **Y02B 40/00** (2013.01 - EP KR)

Citation (applicant)

KR 20090024163 A 20090306 - EXXONMOBIL CHEM PATENTS INC [US]

Cited by

EP3660205A4; US11236462B2

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